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<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (Use as many sheets as necessary)		<b>Complete if Known</b>			
		Application Number	10/717,677		
		Filing Date	11/19/2003		
		First Named Inventor	Sean P. Palecek		
		Art Unit	1651		
		Examiner Name	Taeyoon Kim		
Sheet		of		Attorney Docket Number	960296.00101

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
		Di Palma F, Douet M, Boachon C, Guignandon A, Peyroche S, Forest B, Alexandre C, Chamson A, Rattner A. 2003. Physiological strains induce differentiation in human osteoblasts cultured on orthopaedic biomaterial. Biomaterials 24(18): 3139-3151.	
		Altman GH, Horan RL, Martin I, Farhadi J, Stark PR, Volloch V, Richmond JC, Vunjak-Novakovic G, Kaplan DL. 2002. Cell differentiation by Mechanical stress. FASEB Journal 16(2): 270-272.	
		Park JS, Chu JS, Cheng C, Chen F, Chen D, Li S. 2004. Differential effects of equiaxial and uniaxial strain on mesenchymal stem cells. Biotechnology and Bioengineering 88(3): 359-368.	
		Sanchez-Esteban J, Cicchiello LA, Wang Y, Tsai SW, Williams LK, Torday JS, Rubin LP. 2000. Mechanical stretch promotes alveolar epithelial type II cell differentiation. J Appl Physiol 91(2): 589-595.	
		Birukov KG, Shirinsky VP, Stepanova OV, Tkachuk VA, Hahn AW, Resink TJ, Smirnov VN. 1995. Stretch affects phenotype and proliferation of vascular smooth muscle cells. Mol. Cell Biochem. ; 144(2): 131-139.	
		Chien S, Li S, Shyy YJ. 1998. Effects of mechanical forces on signal transduction and gene expression in endothelial cells. Hypertension; 31(1 Pt 2): 162-169.	
		Kamata A, Mikuni-Takagaki Y. 1998. Mechanotransduction in stretched osteocytes- Temporal expression of immediate early and other genes. Biochem Biophys Res Commun 246 (2): 404-408.	
		Seko Y, Seko Y, Takahashi N, Shibuya M, Yazaki Y. 1999. Pulsatile stretch stimulates vascular endothelial growth factor (VEGF) secretion by cultured rat cardiac myocytes. Biochem Biophys Res Commun 254(2): 462-465.	
		Zou Y, Hu Y, Metzler B, Xu Q. 1998. Signal transduction in arteriosclerosis: mechanical stress-activated MAP kinases in vascular smooth muscle cells. Int J Mol Med 1(5): 827-834.	

Examiner Signature	Date Considered
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

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